What is claimed is:

1. A zoom lens comprising, in order from an object side:

a first lens unit with positive power;

a second lens unit with positive power; and

a third lens unit with negative power,

wherein when a magnification of the zoom lens is varied, extending from a wide-angle position to a telephoto position, spacings between the first lens unit and the second lens unit and between the second lens unit and the third lens unit become wider at the telephoto position than at the wide-angle position, and the third lens unit remains fixed.

2. A zoom lens comprising, in order from an object side:

a first lens unit with positive power;

a second lens unit with positive power;

a third lens unit with negative power;

a fourth lens unit with positive power; and

a fifth lens unit with positive power,

wherein when a magnification of the zoom lens is varied, extending from a wide-angle position to a telephoto position, the first lens unit is moved and spacings between individual lens units are changed.

3. A zoom lens according to claim 1, wherein the zoom lens comprises, in order from the object side, a first lens unit with positive power; a second lens unit with positive power; a third lens unit with negative power; a fourth lens unit with positive power; and a fifth lens unit with positive power, and when the magnification of the zoom lens is varied, extending from a wide-angle position to a telephoto position,

spacings between individual lens units are changed.

4. A zoom lens according to claim 1 or 2, wherein the second lens unit is moved toward the object side to thereby perform focusing.

5. A zoom lens according to claim 2 or 3, satisfying the following conditions:

$$0.1 < f4 / ft < 0.4$$

$$1.5 < f5 / fw < 2.5$$

where f4 is a focal length of the fourth lens unit, f5 is a focal length of the fifth lens unit, fw is a focal length of an entire system at the wide-angle position, and ft is a focal length of the entire system at the telephoto position.

6. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$3 < f1 / fw < 5$$

where f1 is a focal length of the first lens unit and fw is a focal length of an entire system at the wide-angle position.

7. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$2 < f2 / fw < 3.5$$

where f2 is a focal length of the second lens unit and fw is a focal length of an entire system at the wide-angle position.

8. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$-0.16 < f3 / ft < -0.08$$

where f3 is a focal length of the third lens unit and ft is a focal length of an entire system at the telephoto position.

9. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$2.0 < F < 4.0$$

where F is an F-number.

10. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$-0.35 \leqq MG \leqq -0.15$$

where MG is a maximum magnification for photography.

11. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$0.08 < \Delta d / ft < 0.12$$

where Δd is an amount of movement in focusing extending from infinity to a nearest object point and ft is a focal length of an entire system at the telephoto position.

12. A zoom lens according to claim 1 or 2, satisfying the following conditions:

$$10 < IH < 13$$

$$2.8 < fb / IH < 3.8$$

where IH is a radius of an image circle and fb is a distance from a last lens surface to an image plane at the wide-angle position.

13. A zoom lens according to claim 1 or 2, satisfying the following condition:

$$0 < | EW | < 15$$

where EW is an angle (°) made by the most off-axis chief ray (a diagonal chief ray) on a diagonal line with an optical axis.

14. A zoom lens according to claim 1 or 2, wherein a camera body and a lens-mountable and removable mount are provided.

15. A camera having a zoom lens, a mount allowing the zoom lens to be mounted and removed, and a quick-return mirror, the zoom lens comprising, in order from an object side:

a first lens unit with positive power;

a second lens unit with positive power; and

a third lens unit with negative power,

wherein when a magnification of the zoom lens is varied, extending from a wide-angle position to a telephoto position, spacings between the first lens unit and the second lens unit and between the second lens unit and the third lens unit become wider at the telephoto position than at the wide-angle position, and the third lens unit remains fixed.

16. A camera having a zoom lens and a reflecting member which is capable of separating light into a finder optical path and a photographing optical path, placed on an image side of the zoom lens, the zoom lens comprising, in order from an object side:

a first lens unit with positive power;

a second lens unit with positive power; and

a third lens unit with negative power,

wherein when a magnification of the zoom lens is varied, extending from a wide-angle position to a telephoto position, spacings between the first lens unit and the second lens unit and between the second lens unit and the third lens unit become wider at the telephoto position than at the wide-angle position, and the third lens unit remains fixed.